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aagggrctgc gcagagtagc aggggc当地 ctg gagggc当地 cgg cctgaatc当地 gattgcc当地	180
ctgctgagag gacacacgca gctgaagatg aatttggaa aagttagccgc ttgctacttt	240
aact atg gaa gag cag ggc cac agt gag atg gaa ata atc cca tca gag	289
Met Glu Glu Gln Gly His Ser Glu Met Glu Ile Ile Pro Ser Glu	
1 5 10 15	
tct cac ccc cac att caa tta ctg aaa agc aat cg ^g gaa ctt ctg gtc	337
Ser His Pro His Ile Gln Leu Leu Lys Ser Asn Arg Glu Leu Leu Val	
20 25 30	
act cac atc cgc aat act cag tgt ctg gtg gac aac ttg ctg aag aat	385
Thr His Ile Arg Asn Thr Gln Cys Leu Val Asp Asn Leu Leu Lys Asn	
35 40 45	
gac tac ttc tcg gcc gaa gat g ^c gag att gtg tgt gcc tgc ccc acc	433
Asp Tyr Phe Ser Ala Glu Asp Ala Glu Ile Val Cys Ala Cys Pro Thr	
50 55 60	
cag cct gac aag gtc cgc aaa att ctg gac ctg gta cag agc aag ggc	481
Gln Pro Asp Lys Val Arg Lys Ile Leu Asp Leu Val Gln Ser Lys Gly	
65 70 75	
gag gag gtg tcc gag ttc ctc tac ttg ctc cag caa ctc gca gat	529
Glu Glu Val Ser Glu Phe Leu Tyr Leu Leu Gln Gln Leu Ala Asp	
80 85 90 95	
gcc tac gtg gac ctc agg cct tgg ctg ctg gag atc ggc ttc tcc cct	577
Ala Tyr Val Asp Leu Arg Pro Trp Leu Leu Glu Ile Gly Phe Ser Pro	
100 105 110	
tcc ctg ctc act cag agc aaa gtc gtg gtc aac act gac cca gtg agc	625
Ser Leu Leu Thr Gln Ser Lys Val Val Val Asn Thr Asp Pro Val Ser	
115 120 125	
agg tat acc cag cag ctg cga cac cat ctg ggc cgt gac tcc aag ttc	673
Arg Tyr Thr Gln Gln Leu Arg His His Leu Gly Arg Asp Ser Lys Phe	
130 135 140	
gtg ctg tgc tat gcc cag aag gag gag ctg ctg gag gag atc tac	721
Val Leu Cys Tyr Ala Gln Lys Glu Glu Leu Leu Glu Glu Ile Tyr	
145 150 155	
atg gac acc atc atg gag ctg gtc aac aat gag agc ctg ggc	769
Met Asp Thr Ile Met Glu Leu Val Gly Phe Ser Asn Glu Ser Leu Gly	
160 165 170 175	

FIG. 1A

agc ctg aac agc ctg gcc tgc ctc ctg gac cac acc acc ggc atc ctc Ser Leu Asn Ser Leu Ala Cys Leu Leu Asp His Thr Thr Gly Ile Leu 180 185 190	817
aat gag cag ggt gag acc atc ttc atc ctg ggt gat gct ggg gtg ggc Asn Glu Gln Gly Glu Thr Ile Phe Ile Leu Gly Asp Ala Gly Val Gly 195 200 205	865
aag tcc atg ctg cta cag cg ^g ctg cag agc ctc tgg gcc acg ggc cg ^g Lys Ser Met Leu Leu Gln Arg Leu Gln Ser Leu Trp Ala Thr Gly Arg 210 215 220	913
cta gac gca ggg gtc aaa ttc ttc cac ttt cgc tgc cgc atg ttc Leu Asp Ala Gly Val Lys Phe Phe His Phe Arg Cys Arg Met Phe 225 230 235	961
agc tgc ttc aag gaa agt gac agg ctg tgt ctg cag gac ctg ctc ttc Ser Cys Phe Lys Glu Ser Asp Arg Leu Cys Leu Gln Asp Leu Leu Phe 240 245 250 255	1009
aag cac tac tgc tac cca gag cg ^g gac ccc gag gag gtg ttt gcc ttc Lys His Tyr Cys Tyr Pro Glu Arg Asp Pro Glu Glu Val Phe Ala Phe 260 265 270	1057
ctg ctg cgc ttc ccc cac gtg gcc ctc ttc acc ttc gat ggc ctg gac Leu Leu Arg Phe Pro His Val Ala Leu Phe Thr Phe Asp Gly Leu Asp 275 280 285	1105
gag ctg cac tcg gac ttg gac ctg agc cgc gtg cct gac agc tcc tgc Glu Leu His Ser Asp Leu Asp Leu Ser Arg Val Pro Asp Ser Ser Cys 290 295 300	1153
ccc tgg gag cct gcc cac ccc ctg gtc ttg ctg gcc aac ctg ctc agt Pro Trp Glu Pro Ala His Pro Leu Val Leu Leu Ala Asn Leu Leu Ser 305 310 315	1201
ggg aag ctg ctc aag ggg gct agc aag ctg ctc aca gcc cgc aca ggc Gly Lys Leu Leu Lys Gly Ala Ser Lys Leu Leu Thr Ala Arg Thr Gly 320 325 330 335	1249
atc gag gtc ccg cgc cag ttc ctg cg ^g aag aag gtg ctt ctc cgg ggc Ile Glu Val Pro Arg Gln Phe Leu Arg Lys Lys Val Leu Leu Arg Gly 340 345 350	1297
ttc tcc ccc agc cac ctg cgc tat gcc agg agg atg ttc ccc gag Phe Ser Pro Ser His Leu Arg Ala Tyr Ala Arg Arg Met Phe Pro Glu 355 360 365	1345

FIG. 1B

cgg gcc ctg cag gac cgc ctg agc cag ctg gag gcc aac ccc aac Arg Ala Leu Gln Asp Arg Leu Leu Ser Gln Leu Glu Ala Asn Pro Asn 370 375 380	1393
ctc tgc agc ctg tgc tct gtg ccc ctc ttc tgc tgg atc atc ttc cgg Leu Cys Ser Leu Cys Ser Val Pro Leu Phe Cys Trp Ile Ile Phe Arg 385 390 395	1441
tgc ttc cag cac ttc cgt gct gcc ttt gaa ggc tca cca cag ctg ccc Cys Phe Gln His Phe Arg Ala Ala Phe Glu Gly Ser Pro Gln Leu Pro 400 405 410 415	1489
gac tgc acg atg acc ctg aca gat gtc ttc ctc ctg gtc act gag gtc Asp Cys Thr Met Thr Leu Thr Asp Val Phe Leu Leu Val Thr Glu Val 420 425 430	1537
cat ctg aac agg atg cag ccc agc agc ctg gtg cag cgg aac aca cgc His Leu Asn Arg Met Gln Pro Ser Ser Leu Val Gln Arg Asn Thr Arg 435 440 445	1585
agc cca gtg gag acc ctc cac gcc ggc cgg gac act ctg tgc tcg ctg Ser Pro Val Glu Thr Leu His Ala Gly Arg Asp Thr Leu Cys Ser Leu 450 455 460	1633
ggg cag gtg gcc cac cgg ggc atg gag aag agc ctc ttt gtc ttc acc Gly Gln Val Ala His Arg Gly Met Glu Lys Ser Leu Phe Val Phe Thr 465 470 475	1661
cag gag gag gtg cag gcc tcc ggg ctg cag gag aga gac atg cag ctg Gln Glu Glu Val Gln Ala Ser Gly Leu Gln Glu Arg Asp Met Gln Leu 480 485 490 495	1729
ggc ttc ctg cgg gct ttg ccg gag ctg ggc ccc ggg ggt gac cag cag Gly Phe Leu Arg Ala Leu Pro Glu Leu Gly Pro Gly Gly Asp Gln Gln 500 505 510	1777
tcc tat gag ttt ttc cac acc ctc cag gcc ttc ttt aca gcc ttc Ser Tyr Glu Phe Phe His Leu Thr Leu Gln Ala Phe Phe Thr Ala Phe 515 520 525	1825
ttc ctc gtg ctg gac gac agg gtg ggc act cag gag ctg ctc agg ttc Phe Leu Val Leu Asp Asp Arg Val Gly Thr Gln Glu Leu Leu Arg Phe 530 535 540	1873
ttc cag gag tgg atg ccc cct gcg ggg qca qcg acc acg tcc tgc tat Phe Gln Glu Trp Met Pro Pro Ala Gly Ala Ala Thr Thr Ser Cys Tyr 545 550 555	1921

FIG. 1C

cct ccc ttc ctc ccg ttc cag tgc ctg cag ggc agt ggt ccg gcg cg		1969
Pro Pro Phe Leu Pro Phe Gln Cys Leu Gln Gly Ser Gly Pro Ala Arg		
560 565 570 575		
gaa gac ctc ttc aag aac aag gat cac ttc cag ttc acc aac ctc ttc		2017
Glu Asp Leu Phe Lys Asn Lys Asp His Phe Gln Phe Thr Asn Leu Phe		
580 585 590		
ctg tgc ggg ctg ttg tcc aaa gcc aaa cag aaa ctc ctg cg cat ctg		2065
Leu Cys Gly Leu Leu Ser Lys Ala Lys Gln Lys Leu Leu Arg His Leu		
595 600 605		
gtg ccc gca gca gcc ctg agg aga aag cgc aag gcc ctg tgg gca cac		2113
Val Pro Ala Ala Leu Arg Arg Lys Arg Lys Ala Leu Trp Ala His		
610 615 620		
ctg ttt tcc agc ctg cgg ggc tac ctg aag agc ctg ccc cgc gtt cag		2161
Leu Phe Ser Ser Leu Arg Gly Tyr Leu Lys Ser Leu Pro Arg Val Gln		
625 630 635		
gtc gaa agc ttc aac cag gtg caq gcc atg ccc acg ttc atc tgg atg		2209
Val Glu Ser Phe Asn Gln Val Gln Ala Met Pro Thr Phe Ile Trp Met		
640 645 650 655		
ctg cgc tgc atc tac gag aca cag agc cag aag gtg ggg cag ctg gcg		2257
Leu Arg Cys Ile Tyr Glu Thr Gln Ser Gln Lys Val Gly Gln Leu Ala		
660 665 670		
gcc agg ggc atc tgc gcc aac tac ctc aag ctg acc tac tgc aac gcc		2305
Ala Arg Gly Ile Cys Ala Asn Tyr Leu Lys Leu Thr Tyr Cys Asn Ala		
675 680 685		
tgc tcg gcc gac tgc agc gcc ctc tcc ttc gtc ctg cat cac ttc ccc		2353
Cys Ser Ala Asp Cys Ser Ala Leu Ser Phe Val Leu His His Phe Pro		
690 695 700		
aag cgg ctg gcc cta gac cta gac aac aac aat ctc aac gac tac ggc		2401
Lys Arg Leu Ala Leu Asp Leu Asp Asn Asn Leu Asn Asp Tyr Gly		
705 710 715		
gtg cgg gag ctg cag ccc tgc ttc agc cgc ctc act gtt ctc aga ctc		2449
Val Arg Glu Leu Gln Pro Cys Phe Ser Arg Leu Thr Val Leu Arg Leu		
720 725 730 735		
agc gta aac cag atc act gac ggt ggg gta aag gtg cta agc gaa gag		2497
Ser Val Asn Gln Ile Thr Asp Gly Gly Val Lys Val Leu Ser Glu Glu		
740 745 750		

FIG. 1D

ctg acc aaa tac aaa att gtg acc tat ttg ggt tta tac aac aac cag Leu Thr Lys Tyr Lys Ile Val Thr Tyr Leu Gly Leu Tyr Asn Asn Gln 755 760 765	2545
atc acc gat gtc gga gcc agg tac gtc acc aaa atc ctg gat gaa tgc Ile Thr Asp Val Gly Ala Arg Tyr Val Thr Lys Ile Leu Asp Glu Cys 770 775 780	2593
aaa ggc ctc acg cat ctt aaa ctg gga aaa aac aaa ata aca agt gaa Lys Gly Leu Thr His Leu Lys Leu Gly Lys Asn Lys Ile Thr Ser Glu 785 790 795	2641
gga ggg aag tat ctc gcc ctg gct gtg aag aac agc aaa tca atc tct Gly Gly Lys Tyr Leu Ala Leu Ala Val Lys Asn Ser Lys Ser Ile Ser 800 805 810 815	2669
gag gtt ggg atg tgg ggc aat caa gtt ggg gat gaa gga gca aaa gcc Glu Val Gly Met Trp Gly Asn Gln Val Gly Asp Glu Gly Ala Lys Ala 820 825 830	2737
ttc gca gag gct ctg cgg aac cac ccc agc ttg acc acc ctg agt ctt Phe Ala Glu Ala Leu Arg Asn His Pro Ser Leu Thr Thr Leu Ser Leu 835 840 845	2785
gcg tcc aac ggc atc tcc aca gaa gga gga aag agc ctt gcg agg gcc Ala Ser Asn Gly Ile Ser Thr Glu Gly Gly Lys Ser Leu Ala Arg Ala 850 855 860	2833
ctg cag cag aac acg tct cta gaa ata ctg tgg ctg acc caa aat gaa Leu Gln Gln Asn Thr Ser Leu Glu Ile Leu Trp Leu Thr Gln Asn Glu 865 870 875	2861
ctc aac gat gaa gtg gca gag agt ttg gca gaa atg ttg aaa gtc aac Leu Asn Asp Glu Val Ala Glu Ser Leu Ala Glu Met Leu Lys Val Asn 880 885 890 895	2929
cag acg tta aag cat tta tgg ctt atc cag aat cag atc aca gct aag Gln Thr Leu Lys His Leu Trp Leu Ile Gln Asn Gln Ile Thr Ala Lys 900 905 910	2977
ggg act gcc cag ctg gca gat gcg tta cag agc aac act ggc ata aca Gly Thr Ala Gln Leu Ala Asp Ala Leu Gln Ser Asn Thr Gly Ile Thr 915 920 925	3025
gag att tgc cta aat gga aac ctg ata aaa cca gag gag gcc aaa gtc Glu Ile Cys Leu Asn Gly Asn Leu Ile Lys Pro Glu Glu Ala Lys Val 930 935 940	3073

FIG. 1E

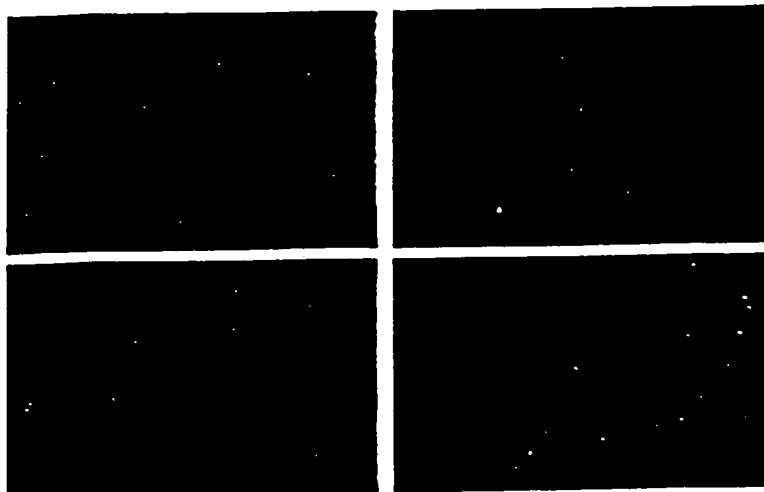
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Tyr Glu Asp Glu Lys Arg Ile Ile Cys Phe	
945 950	
catggggttt ttgccctgga gcctcagcag caaatgccac tctgggcagt ctttgtgtc	3183
agtgtcttaa aggggcctgc gcaggcgaaa ctatcaggag tccactgcct ycatgatgca	3243
agccagcttc ctgtgcagaa ggtctggtcg gcaaactccc taagtacccg ctacaattct	3303
gcagaaaaag aatgtgtctt gcgagctgtt gtagttacag taaatacact gtgaagagaa	3363
aaaaaaaaacg gacgcgtgg	3382

FIG. 1F

2 A

anti-phospho-c-Jun

anti-LPS



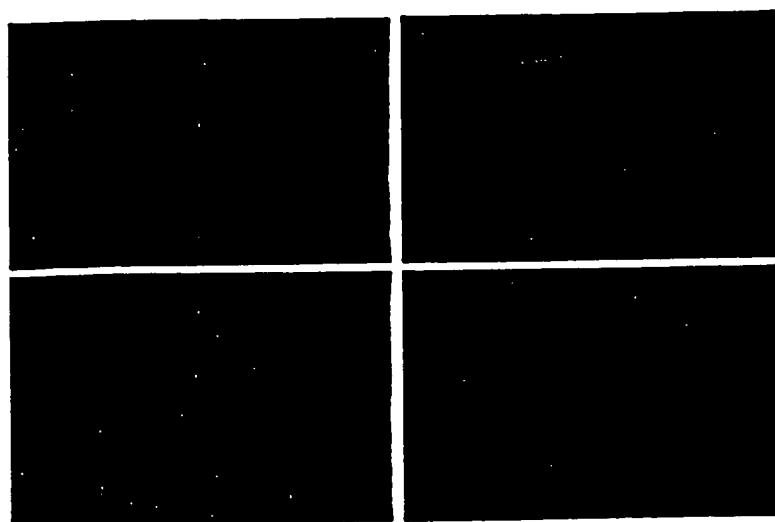
Non-invasive
S. flexneri

Invasive
S. flexneri

2 B

microinjection

anti-phospho-c-Jun



buffer

LPS

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Fig. 2 A - 2 B

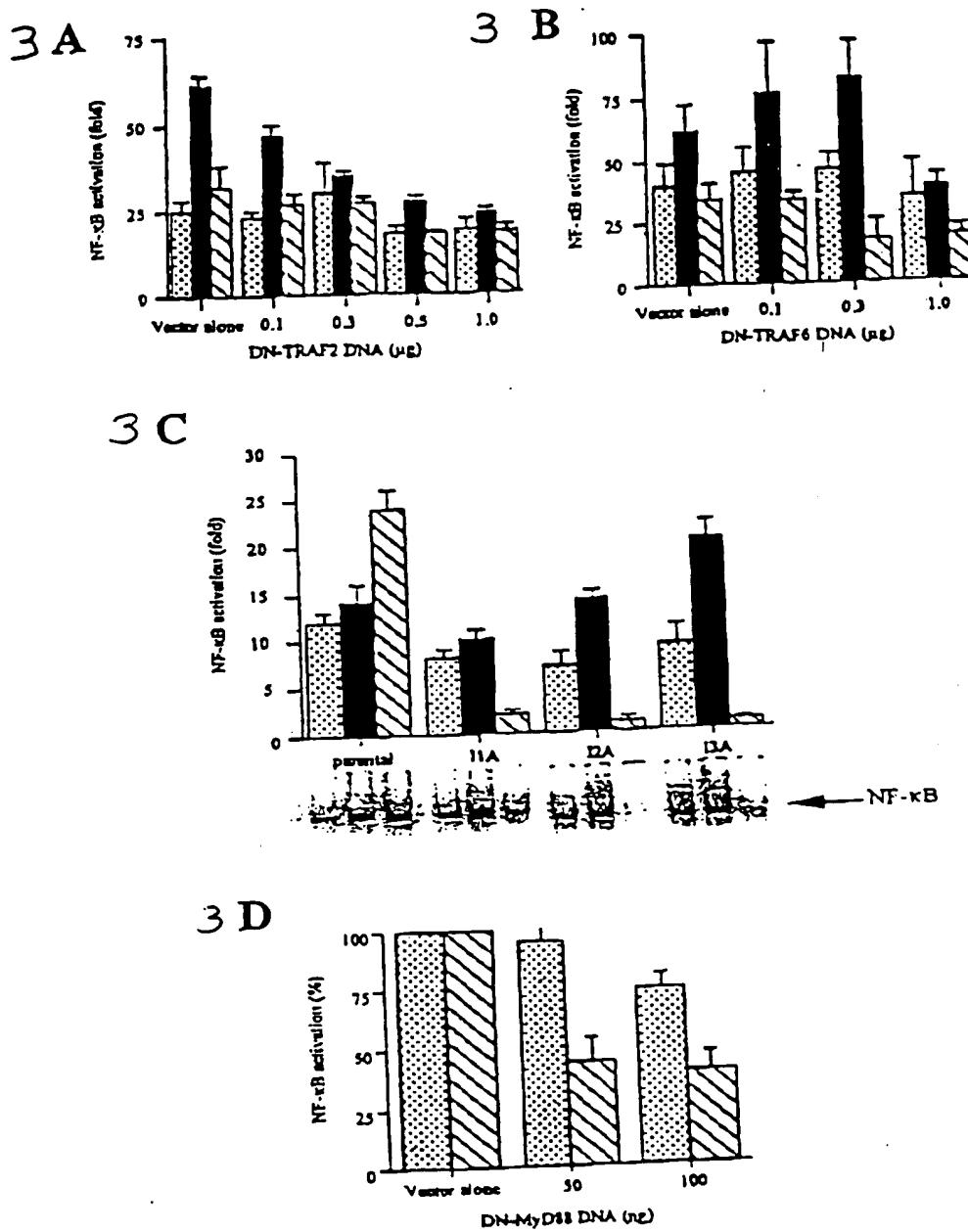
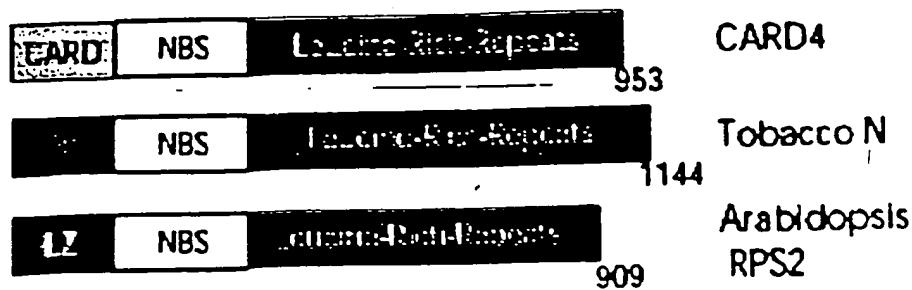


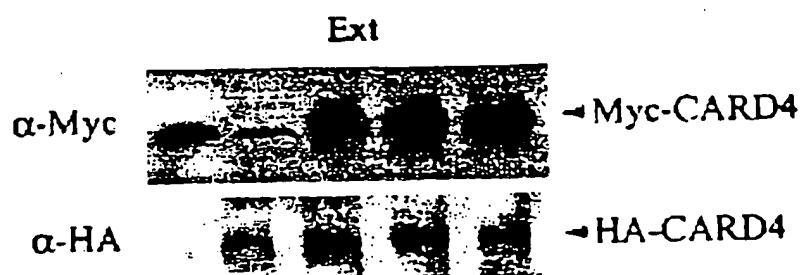
Fig. 3 A - 3D

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4 A



4 B



IP:α HA

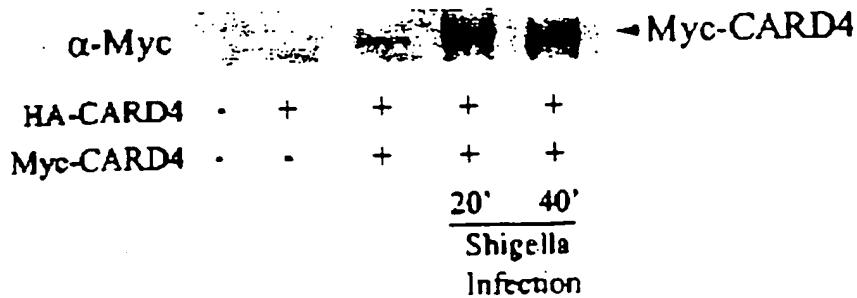


Fig 4A-4B

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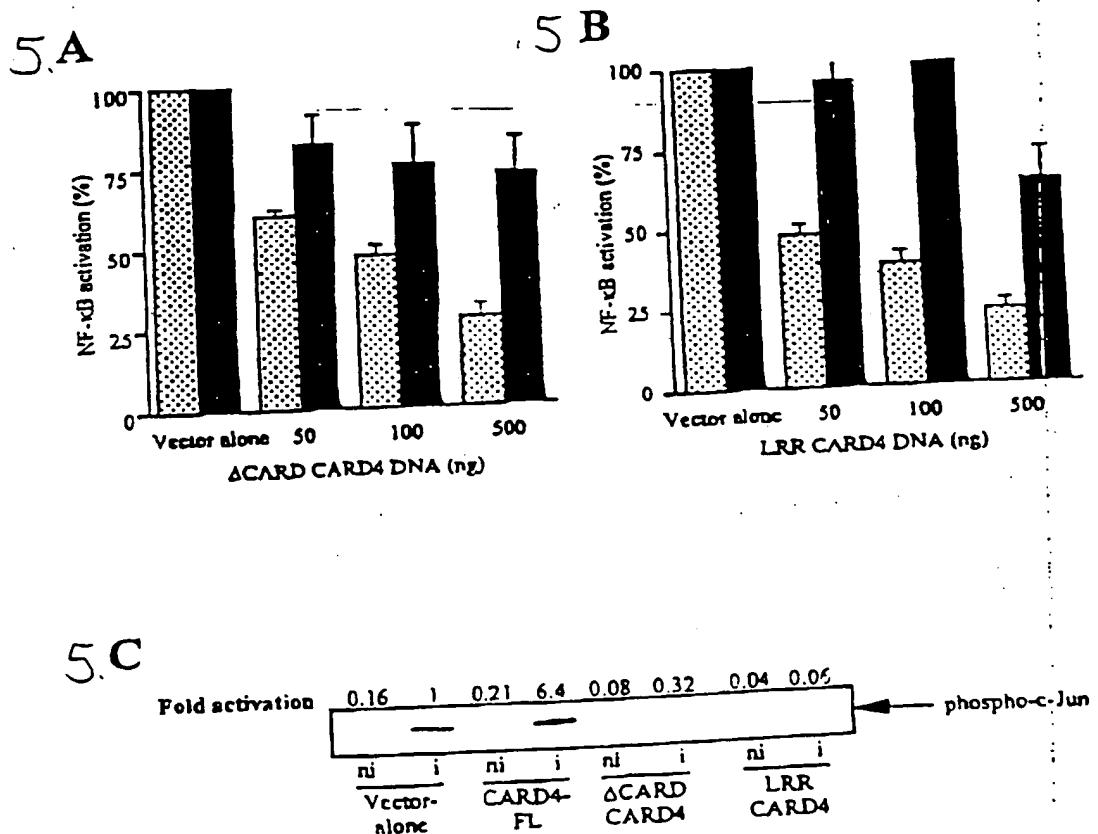


Fig. 5A-5C

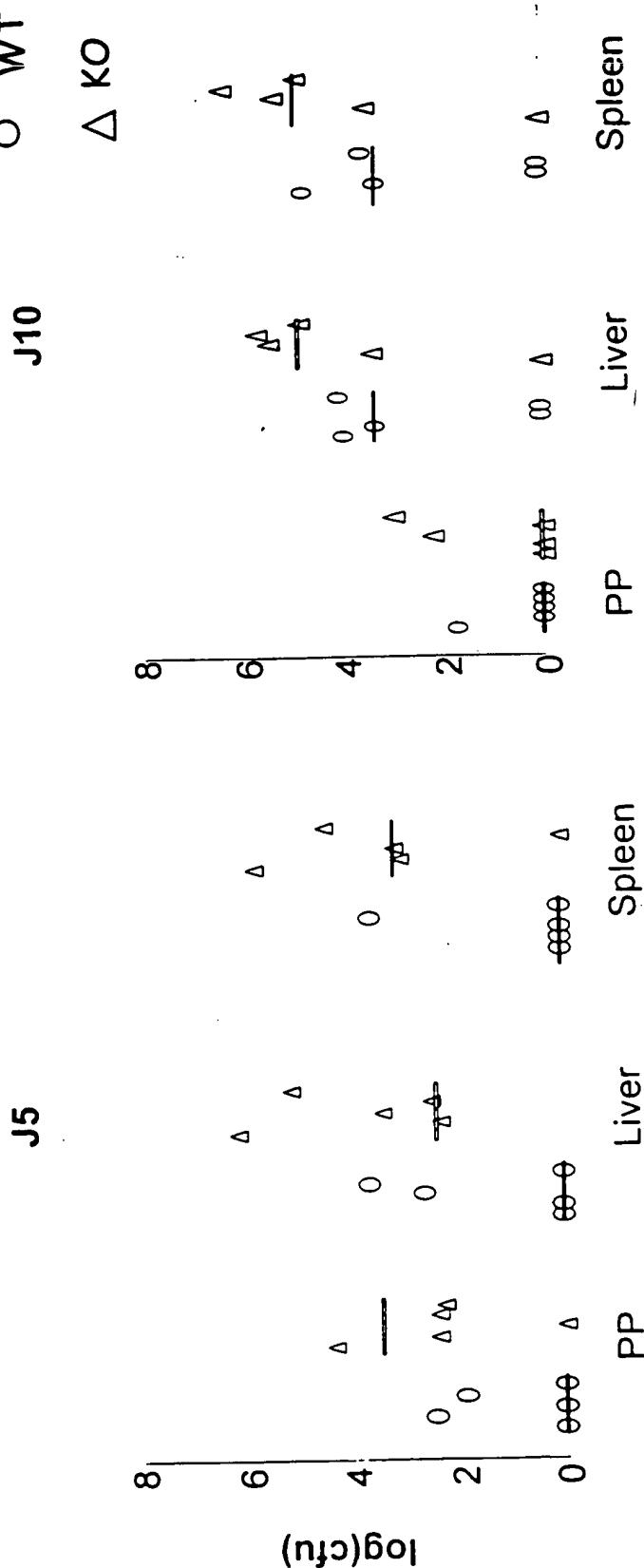


FIG. 6

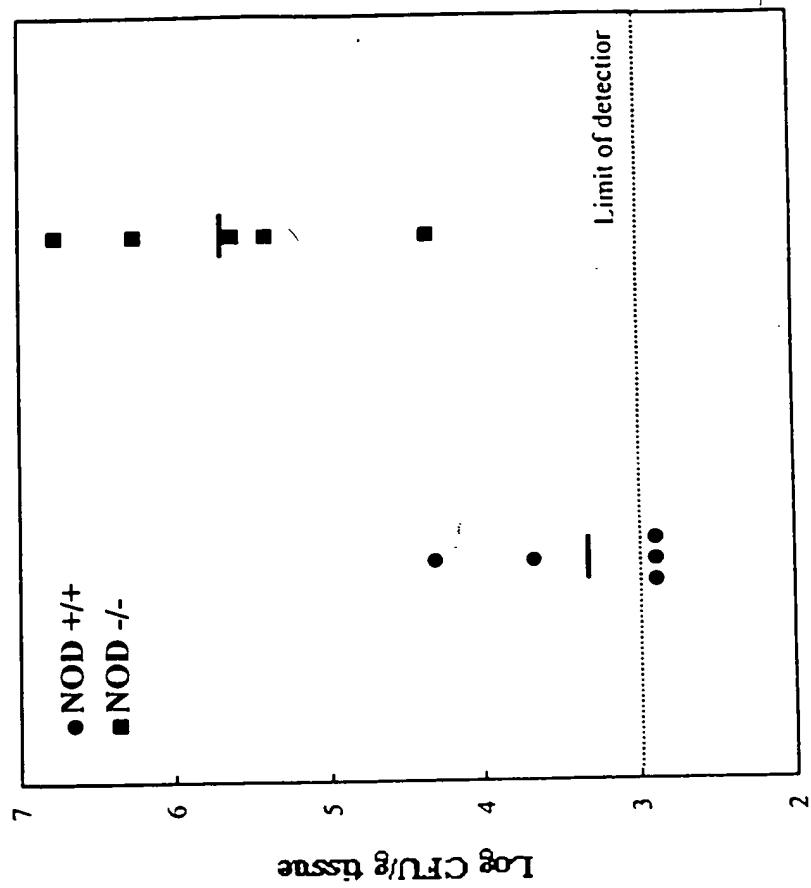


FIG. 7